

# In the United States Patent and Trademark Office



Application Number: 09/024,749  
Application Filed February 17, 1998  
Applicant Virgil D. Olson  
Title Lift Generation by Counter-Rotating Line Vortices  
Examiner/GAU Barefoot, G

Assistant Commissioner For Patents  
Washington District of Columbia 20231

Sir:

After obtaining approval to do so in my conversation with Primary Examiner Barefoot on February 12, 1999, I would like to petition him to make changes to the above application as follows:

Insert into the Reference Numeral list right after the description of reference numerals 511 and 512 on page 15, the reference numeral. The description for it shown immediately below in underlined text,

*A*, 600 is the gross payload lifted by the lifting surfaces. The gross payload is: the assembly generating the lift, the remainder of the aircraft that the load mechanism is incorporated in, and the aircraft's cargo.

The term "payload" is discussed on page 26 and is shown Figure 21.

Insert into the Reference Numeral list right after the description of reference numerals 601c and 602c on page 15 the reference numerals, 601d, and 602d. The description for them shown immediately below in underlined text,

*q2* 601d, 602d are the left and right dihedral angles subtended by the plane of center lines, 630, and the dihedral planes, 601c and 602c.

The term "dihedral angle" is discussed on page 10 and is shown in Figure 1.

Insert into the Reference Numeral list right after the description of reference numerals 621 and 622 on page 15 the reference numeral, 623. The description for it shown immediately below in underlined text,

*q3* 623 Step, the creation of a resultant force from the lifting forces developed by the individual lifting surfaces, 601 and 602.